

November 17, 2015

**ADDENDUM NO.4
to the
Iowa Department of Transportation
Proposal No. 15285
For: New Construction for Des Moines North Maintenance Facility,
Brine, Pole and Hoop Bldg.
Letting Date: December 2, 2015**

Notice To Bidders:

This Addendum is issued to incorporate the following additions, deletions, corrections, and/or clarifications to the terms or specifications and shall hereby be considered a part of the final contract documents. This Addendum shall supersede, modify and/or change all statements to the contrary in the bid proposal and shall take precedence over previous terms or specifications.

CHANGE: Changes to the Drawings:

Sheet SD-1- Site Demolition Plan: Delete the following note from sheet:

“Remove Generator (Phase 2)” The existing Generator and Transfer Switch will be removed by the IDOT Staff.

Sheet A-0: Details Type “1”, Type “1A”, Type “2”:

Add the following note: A precast wall width greater than 1’-0” is acceptable provided the precast meets the minimum R-Value of R-18. The increase width of walls is to be added to the exterior dimensions of building and should not reduce the interior width and length of the building.

Sheet A-13: Add the following note:

When using 42” tees provide 3 total 2x treated wood parapet cap plates around entire perimeter of building. Extend Aluminum parapet cap down to extend over all three plates on exterior side and down over 1 top plate on interior side to clear high side of roof.

Brine Building Sheet BA-1: Replace Sheet BA-1 with revised sheet BA-1 dated 9 Nov 2015.

Brine Building Sheet BA-2: Replace Sheet BA-2 with revised sheet BA-2 dated 9 Nov 2015.

Changes to Specifications:

Section 03 4100, Paragraph 2.10.A: Replace Paragraph with the following:

Extruded-Polystyrene Board Insulation: ASTM C 578, with thickness of 4 inch sandwiched in precast manufacturer’s concrete wall panels. Acceptable Panel width configurations are 5”-4”-3” or 6”-4”-3”.

Section 03 4100, Paragraph 2.10.B: Replace Paragraph with the following:

Polyisocyanurate Board Insulation: ASTM C591, unfaced with thickness of 4 inch sandwiched in precast manufacturer’s concrete wall panels. Acceptable Panel width configurations are 5”-4”-3” or 6”-4”-3”.

Section 03 4500: Replace Section 03 4500 with revised Section 03 4500 (Revised 11-16-2015)

Section 07 7123: Replace section 07 7123 with revised Section 07 7123 (Revised 11-16-2015)

Section 07 9005: Replace Section 07 9005 with Revised Section 07 9005 (Revised 11-16-2015)

Substitutions Requests:

Section 23 3113: McGill AirFlow Corporation, Uni-Gasket Fittings is approved as an acceptable manufacturer.

Section 26 5100: Add the following manufacturers to list of acceptable manufacturers for the following fixtures.

Lighting Fixture F3A: Mercury Lighting, LW4-4-4000-40K-HTA-UNI

Lighting Fixture F3B: Mercury Lighting, LW4-8-8000-40K-HTA-UNI

Lighting Fixture F4: Mercury Lighting, LR14-22G-3800-40K-UNI

Section 26 5600: Add the following manufacturers to list of acceptable manufacturers for the following fixtures.

Lighting Fixture F5: DECO Lighting, D444, LED-40-40-UNV-T2-BL

Lighting Fixture F6A: Visionaire Lighting, VSC1-T2-48-5-4K-UNV-WM-BK

Lighting Fixture F6B: Visionaire Lighting, VSC1-T4-48-5-4K-UNV-WM-BK

Section 28 3112, Paragraph 2.3.A: Add the following as an acceptable manufacturer:

Notifier, Fire Alarm Control Panel, SFP-5UD/SFP-10UD(E)

ADDITIONS:

All Bidders must sign and return this Addendum for the bid opportunity referenced above. Failure to do so may subject the Bidder to disqualification. If a bid response has already been submitted, this Addendum shall be signed and emailed or faxed to the Purchasing Section prior to the scheduled Letting Date.

Company Name (*please print*)

Date

Signature

Sincerely,

Jody McNaughton, Purchasing Agent III
Phone No. 515-239-1298 Fax No. 515-239-1538
Jody.McNaughton@dot.iowa.gov

Purchasing Section
800 Lincoln Way, Ames, Iowa 50010

P: 515-239-1310 F: 515-239-1538
DOT.purchasing@dot.iowa.gov

SECTION 03 4500

PRECAST ARCHITECTURAL CONCRETE (REVISED 11-16-2015)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Architectural precast concrete wall panels.
- B. Supports, anchors, and attachments.
- C. Intermediate and perimeter joint seals.
- D. Grouting under panels.

1.02 RELATED REQUIREMENTS

- A. Section 03 3000 - Cast-in-Place Concrete: Admixtures.
- B. Section 07 9005 - Joint Sealers: Perimeter joints with sealant and backing.

1.03 REFERENCE STANDARDS

- A. ACI 318 - Building Code Requirements for Structural Concrete and Commentary; American Concrete Institute International; 2011.
- B. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.
- C. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2009.
- D. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon Steel Bars for Concrete Reinforcement; 2015.
- E. ASTM A767/A767M - Standard Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement; 2009.
- F. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2013.
- G. ASTM C150/C150M - Standard Specification for Portland Cement; 2012.
- H. ASTM C260/C260M - Standard Specification for Air-Entraining Admixtures for Concrete; 2010a.
- I. ASTM C330/C330M - Standard Specification for Lightweight Aggregates for Structural Concrete; 2014.
- J. ASTM C1088 - Standard Specification for Thin Veneer Brick Units Made From Clay or Shale; 2014.
- K. ASTM D3963/D3963M - Standard Specification for Fabrication and Jobsite Handling of Epoxy-Coated Reinforcing Steel Bars; 2001 (Reapproved 2007).
- L. AWS D1.1/D1.1M - Structural Welding Code - Steel; American Welding Society; 2011 w/Errata.
- M. AWS D1.4/D1.4M - Structural Welding Code - Reinforcing Steel; American Welding Society; 2011.
- N. IAS AC157 - Accreditation Criteria for Fabricator Inspection Programs for Reinforced and Precast/Prestressed Concrete; 2010.
- O. PCI MNL-117 - Manual for Quality Control for Plants and Production of Architectural Precast Concrete Products; Precast/Prestressed Concrete Institute; 2007.
- P. PCI MNL-120 - PCI Design Handbook - Precast and Prestressed Concrete; Precast/Prestressed Concrete Institute; Seventh Edition, 2010.
- Q. PCI MNL-122 - Architectural Precast Concrete; Precast/Prestressed Concrete Institute; 2007, Third Edition.
- R. PCI MNL-123 - Design and Typical Details of Connections for Precast and Prestressed Concrete; Precast/Prestressed Concrete Institute; 1988, Second Edition.
- S. PCI MNL-135 - Tolerance Manual for Precast and Prestressed Concrete Construction; Precast/Prestressed Concrete Institute; 2000.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene one week prior to commencing work of this section.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's information on accessory products, including pigments, admixtures, inserts, plates, etc.
- C. Shop Drawings: Indicate layout, unit locations, configuration, unit identification marks, reinforcement, integral insulation, insulated panel system connectors, connection details, support items, location of lifting devices, dimensions, openings, and relationship to adjacent materials. Provide erection drawings.

1.06 QUALITY ASSURANCE

- A. Design Engineer Qualifications: Design precast concrete units under direct supervision of a Professional Structural Engineer experienced in design of precast concrete and licensed in Des Moines, Iowa.
- B. Fabricator Qualifications:
 - 1. Plant certified under Precast/Prestressed Concrete Institute Plant Certification Program; product group and category A1 - Architectural Precast Concrete.
 - 2. Fabricator Qualifications: Precast concrete fabricator accredited by IAS according to IAS AC157.
- C. Welder Qualifications: Qualified within previous 12 months in accordance with AWS D1.1/D1.1M and AWS D1.4/D1.4M.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Handling: Lift and support precast units only from support points.
- B. Blocking and Lateral Support During Transport and Storage: Use materials that are clean, non-staining, and non-harmful to exposed surfaces. Provide temporary lateral support to prevent bowing and warping.
- C. Protect units to prevent staining, chipping, or spalling of concrete.
- D. Mark units with date of production in location that will be concealed after installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Architectural Precast Concrete: Office Wall Panels
 - 1. Wells Concrete.
 - 2. Coreslab Structures
 - 3. PDM Precast.
 - 4. Substitutions: See Section 01 6000 - Product Requirements.

2.02 PRECAST UNITS

- A. Precast Architectural Concrete Units: Comply with PCI MNL-120, PCI MNL-122, PCI MNL-123, PCI MNL-135, and ACI 318.
 - 1. Design Loads: Static loads, anticipated dynamic loading, including positive and negative wind loads, thermal movement loads, and erection forces as defined by applicable code.
 - 2. Calculate structural properties of units in accordance with ACI 318.
 - 3. Accommodate construction tolerances, deflection of building structural members, and clearances of intended openings.
 - 4. Provide connections that accommodate building movement and thermal movement and adjust to misalignment of structure without unit distortion or damage.
- B. Finish Type A: Ensure exposed-to-view finish surfaces of precast units are uniform in color and appearance.

- C. Finish Type D: Thin brick veneer. Remove excess concrete from joints and faces of thin brick units. Protect adjacent surfaces.
- D. Finish Type E: Textured finish. Remove excess concrete from joints and faces of units cast with form liner or other texture. Protect adjacent surfaces.

2.03 REINFORCEMENT

- A. Comply with requirements of Section 03 2000.
- B. Reinforcing Steel: ASTM A615/A615M, Grade 40 (40,000 psi).
 - 1. Deformed billet-steel bars.
- C. Steel Welded Wire Reinforcement (WWR): ASTM A 185.

2.04 CONCRETE MATERIALS

- A. Cement: ASTM C150/C150M, Type I - Normal Portland type.
- B. Fine and Coarse Structural Aggregates: ASTM C33.
- C. Lightweight Structural Aggregate: ASTM C330.
- D. Air Entrainment Admixture: ASTM C260/C260M.
- E. Grout:
 - 1. Non-shrink, non-metallic, minimum 10,000 psi, 28 day strength.

2.05 FORM LINERS

- A. Material: Acrylonitrile butadiene styrene.

2.06 THIN BRICK

- A. Thin Brick: ASTM C1088.
 - 1. Type: TBX.
 - 2. Size: Manufacturer's standard Modular.
 - 3. Thickness: 5/8 inch.
 - 4. Tolerances: 1/16 inch.
 - 5. Color, texture, range, special shapes: Brick texture and color to match red blend on existing building..

2.07 SUPPORT DEVICES

- A. Connecting and Support Devices; Anchors and Inserts: ASTM A36/A36M steel; hot-dip galvanized in accordance with ASTM A153/A153M.
 - 1. Clean surfaces of rust, scale, grease, and foreign matter.

2.08 INSULATION

- A. Sandwiched Integral Insulation: Rigid extruded polystyrene or Pre-cast wall provider's standard insulation.
 - 1. Design and construct panels to maintain overall R-value of R-18 minimum , with less than one percent change due to penetrations and connections, when calculated in accordance with ASHRAE 90.1, isothermal planes method.
 - 2. Provide insulation thickness of 4 inches or pre-cast wall provider's standard thickness to achieve R-18 minimum.

2.09 ACCESSORIES

- A. Bearing Pads: Vulcanized elastomeric compound molded to size; Shore A Durometer ____; 1/8 inch thick, smooth both sides.

2.10 FABRICATION

- A. Use rigid molds, constructed to maintain precast unit uniform in shape, size, and finish.
- B. Use form liners in accordance with manufacturer's instructions.
- C. Place thin brick in form liner in accordance with manufacturer's instructions. Mix bricks from several cartons for uniform distribution of color variations.

- D. Maintain consistent quality during manufacture.
- E. Fabricate connecting devices, plates, angles, items fit to steel framing members, inserts, bolts, and accessories. Fabricate to permit initial placement and final attachment.
- F. Embed reinforcing steel, anchors, inserts plates, angles, and other cast-in items.
- G. Cast rigid insulation into units.
- H. Remove protective coating from thin brick using method recommended by manufacturer. Do not damage brick or concrete material in joints.

2.11 FABRICATION TOLERANCES

- A. Conform to PCI MNL-117 and PCI MNL-135, except as specifically amended below.
 - 1. Maximum Variation From Nominal Face Dimensions: Plus or minus 1/8 in.
 - 2. Maximum Variation From Square or Designated Skew: Plus or minus 1/8 inch in 10 feet.
 - 3. Maximum Variation from Thickness: Plus or minus 1/8 in.
 - 4. Maximum Misalignment of Anchors, Inserts, Openings: Plus or minus 1/8 inch.
 - 5. Maximum Bowing of Members: Plus or minus length/360.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that building structure, anchors, devices, and openings are ready to receive work of this section.

3.02 PREPARATION

- A. Provide for erection procedures and induced loads during erection. Maintain temporary bracing in place until final support is provided.

3.03 ERECTION

- A. Erect units without damage to shape or finish. Replace or repair damaged panels.
- B. Erect units level and plumb within allowable tolerances.
- C. Align and maintain uniform horizontal and vertical joints as erection progresses.
- D. When units require adjustment beyond design or tolerance criteria, discontinue affected work; advise Architect.
- E. Weld units in place. Perform welding in accordance with AWS D1.1/D1.1M.
- F. Set vertical units dry, without grout, attaining joint dimension with lead or plastic spacers. Pack grout to base of unit.

3.04 TOLERANCES

- A. Erect members level and plumb within allowable tolerances. Conform to PCI MNL-135 .

END OF SECTION

SECTION 07 7123

MANUFACTURED GUTTERS AND DOWNSPOUTS (REVISED 11-16-2015)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Pre-finished aluminum gutters and downspouts.

1.02 RELATED REQUIREMENTS

- A. Section 07 4113 - Metal Roof Panels: Standing Seam Metal Roofing.
- B. Section 07 6200 - Sheet Metal Flashing and Trim.
- C. Section 09 9113 - Exterior Painting: Field painting of metal surfaces.

1.03 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; American Architectural Manufacturers Association; 2012.
- B. AAMA 2603 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels; 2013.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
- D. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- E. ASTM B32 - Standard Specification for Solder Metal; 2008 (Reapproved 2014).
- F. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- G. ASTM B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate [Metric]; 2014.
- H. ASTM D2665 - Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings; 2014.
- I. SMACNA (ASMM) - Architectural Sheet Metal Manual; Sheet Metal and Air Conditioning Contractors' National Association; 2012.

1.04 DESIGN REQUIREMENTS

- A. Conform to SMACNA (ASMM) for sizing components for rainfall intensity determined by a storm occurrence of 1 in 5 years.
- B. Conform to applicable code for size and method of rain water discharge.
- C. Maintain one copy of each document on site.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate locations, configurations, jointing methods, fastening methods, locations, and installation details.
- C. Product Data: Provide data on prefabricated components.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Stack material to prevent twisting, bending, or abrasion, and to provide ventilation. Slope to drain.
- B. Prevent contact with materials that could cause discoloration, staining, or damage.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Gutters and Downspouts:
 - 1. ATAS International, Inc; ____: www.atas.com.
 - 2. Cheney Flashing Company; ____: www.cheneyflashing.com.

3. SAF Perimeter Systems, a division of Southern Aluminum Finishing Company, Inc.; ____:
www.saf.com/persys.
4. Substitutions: See Section 01 6000 - Product Requirements.

2.02 MATERIALS

- A. Polyvinyl Chloride (PVC): ASTM D2665, virgin vinyl, SDR 35 pipe and fittings, high impact type, colorfast; color as selected.
- B. Pre-Finished Aluminum Sheet: ASTM B209 (ASTM B209M); 0.032 inch thick.
 1. Finish: Plain, shop pre-coated with modified silicone coating.
 2. Color: As selected from manufacturer's standard colors.
- C. Primer: Zinc molybdate type.
- D. Protective Backing Paint: Zinc molybdate alkyd.

2.03 COMPONENTS

- A. Gutters: SMACNA rectangular style profile.
- B. Downspouts: SMACNA Rectangular profile.
- C. Connectors: Furnish required connector pieces for PVC (polyvinyl chloride) components.

2.04 ACCESSORIES

- A. Downspout Boots: Plastic.

2.05 FABRICATION

- A. Form gutters and downspouts of profiles and size indicated.
- B. Fabricate with required connection pieces.
- C. Form sections square, true, and accurate in size, in maximum possible lengths, free of distortion or defects detrimental to appearance or performance. Allow for expansion at joints.
- D. Hem exposed edges of metal.
- E. Fabricate gutter and downspout accessories; seal watertight.

2.06 FACTORY FINISHING

- A. Modified silicone polyester coating: Baked enamel system conforming to AAMA 2603.
- B. Primer Coat: Finish concealed side of metal sheets with primer compatible with finish system, as recommended by finish system manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that surfaces are ready to receive work.

3.02 PREPARATION

- A. Paint concealed metal surfaces and surfaces in contact with dissimilar metals with protective backing paint to a minimum dry film thickness of 15 mil.

3.03 INSTALLATION

- A. Install gutters, downspouts, and accessories in accordance with manufacturer's instructions.
- B. Slope gutters 1/8 inch per foot, 1 percent minimum.
- C. Connect downspouts to downspout boots at 6 inches minimum above grade. Seal connection watertight.
- D. Connect downspouts to storm sewer system. Seal connection watertight.

END OF SECTION

SECTION 07 9005
JOINT SEALERS (REVISED 11-16-2015)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Sealants and joint backing.

1.02 RELATED REQUIREMENTS

- A. Section 07 8400 - Firestopping: Firestopping sealants.
- B. Section 09 2116 - Gypsum Board Assemblies: Acoustic sealant.

1.03 REFERENCE STANDARDS

- A. ASTM C834 - Standard Specification for Latex Sealants; 2014.
- B. ASTM C919 - Standard Practice for Use of Sealants in Acoustical Applications; 2012.
- C. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2014.
- D. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2013.
- E. ASTM D1667 - Standard Specification for Flexible Cellular Materials--Poly(Vinyl Chloride) Foam (Closed-Cell); 2005 (Reapproved 2011).
- F. SCAQMD 1168 - South Coast Air Quality Management District Rule No.1168; current edition; www.aqmd.gov.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with other sections referencing this section.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data indicating sealant chemical characteristics, performance criteria, substrate preparation, limitations, and color availability.
- C. Manufacturer's Installation Instructions: Indicate surface preparation and perimeter conditions requiring special attention.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum 3 years documented experience.
- B. Applicator Qualifications: Company specializing in performing the work of this section with minimum three years documented experience and approved by manufacturer.

1.07 FIELD CONDITIONS

- A. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

1.08 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective work within a five year period after Date of Substantial Completion.
- C. Warranty: Include coverage for installed sealants and accessories which fail to achieve airtight seal, exhibit loss of adhesion or cohesion, or do not cure.

PART 2 PRODUCTS

2.01 SEALANTS

- A. Sealants and Primers - General: Provide only products having lower volatile organic compound (VOC) content than required by South Coast Air Quality Management District Rule No.1168.
- B. Type 1 - General Purpose Exterior Sealant: Polyurethane; ASTM C920, Grade NS, Class 25 minimum; Uses M, G, and A; single component.

1. Color: Standard colors matching finished surfaces.
2. Polyurethane Products:
 - a. BASF Construction Chemicals-Building Systems; Sonolastic NP2:
www.buildingsystems.basf.com.
 - b. Substitutions: See Section 01 6000 - Product Requirements.
- C. Type 2 - Exterior Metal Lap Joint Sealant: Butyl or polyisobutylene, nondrying, nonskinning, noncuring.
- D. Type 3 - General Purpose Interior Sealant: Acrylic emulsion latex; ASTM C834, Type OP, Grade NF single component, paintable.
- E. Type 5 - Concrete Paving Joint Sealant: Polyurethane, self-leveling; ASTM C920, Class 25, Uses T, I, M and A; single component.
 1. Color: Gray.
 2. Applications: Use for:
 - a. Joints in sidewalks and vehicular paving.
 3. Products:
 - a. Pecora Corporation; NR-201 Self-Leveling Traffic and Loop Sealant:
www.pecora.com.
 - b. BASF Construction Chemicals-Building Systems; MasterSeal SL-1:
www.buildingsystems.basf.com.
 - c. Sherwin-Williams Company; Stampede 1SL Polyurethane Sealant:
www.sherwin-williams.com.
 - d. Substitutions: See Section 01 6000 - Product Requirements.
- F. Type 4 - Self-Leveling Polysulfide Sealant: ASTM C920, Grade P, Class 25, Uses T, I, M, A, O; two component, chemical curing, non-staining, non-bleeding, capable of continuous water immersion, self-leveling type.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrate surfaces are ready to receive work.
- B. Verify that joint backing and release tapes are compatible with sealant.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean and prime joints in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Protect elements surrounding the work of this section from damage or disfigurement.

3.03 INSTALLATION

- A. Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Perform installation in accordance with ASTM C1193.
- C. Perform acoustical sealant application work in accordance with ASTM C919.
- D. Measure joint dimensions and size joint backers to achieve width-to-depth ratio, neck dimension, and surface bond area as recommended by manufacturer.
- E. Install bond breaker where joint backing is not used.
- F. Install sealant free of air pockets, foreign embedded matter, ridges, and sags.
- G. Apply sealant within recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.
- H. Tool joints concave.

3.04 CLEANING

- A. Clean adjacent soiled surfaces.

3.05 PROTECTION

- A. Protect sealants until cured.

3.06 SCHEDULE

- A. Exterior Joints for Which No Other Sealant Type is Indicated: Type 1 .
- B. Construction and Expansion Joints in Sidewalks, Parking, and Driveway Paving: Type 5.
- C. Lap Joints in Exterior Sheet Metal Work: Type 2.
- D. Perimeter of aluminum door and window frames: Type 1.
- E. Under Exterior Door Thresholds: Type 1.
- F. Interior Joints for Which No Other Sealant is Indicated: Type 3.
- G. Control and Expansion Joints in Interior Concrete Slabs and Floors: Type 4.
- H. Joints Between Plumbing Fixtures and Walls and Floors, and Between Countertops and Walls: Type 3.

END OF SECTION

DOCUMENT 00 91 01

ADDENDUM DATE: 11/16/2015

PROJECT: NORTH DES MOINES MAINTENANCE FACILITY
1530 NE 53RD AVENUE
DES MOINES, IOWA 50313
PROJECT: BG-1D20(000)-80-77

BBSAE PROJECT NUMBER: 15002

BID DATE: 12/02/2015

The information contained in this Addendum modifies, supplements or replaces information contained in the Bidding Documents dated September 1st, 2015 and is hereby made a part of the Contract Documents.

Acknowledge receipt of this Addendum in the space provide on the Form of Bid.

Addendum consists of 1 page(s).

ADDENDUM INDEX

APPLICABLE TO THE PROJECT MANUAL:	None
APPLICABLE TO THE DRAWINGS:	Item 1

APPLICABLE TO THE PROJECT MANUAL

- ITEM #1 SECTION 260533 Raceways and Boxes for Electrical Systems
- A. **Add** paragraph 3.1(B8) and (B9) as follows to clarify outlet box application:
- 8) Outlet boxes in Dry Spaces: Sheet Metal.
 - 9) Outlet boxes subject to Corrosive Environment: Non-Metallic.

APPLICABLE TO DRAWINGS

- ITEM #1 SHEET MH500 –MECHANICAL DETAILS
- A. **Clarification:** On detail 1, set safety pressure valve adjacent to each boiler at 80 psi.
- ITEM #2 SHEET ES100 – ELECTRICAL SITE PLAN
- A. **Revise:** Keyed note (2) to the following: “Provide **two** 4” conduits with pull strings from property line to utility transformer...”
- B. **Revise:** Circuit homerun shown northeast of Brine Building from G-13,15 to G-15,17.

- C. **Revise:** Note on electrical power feeder from the Main Building to the Pole Building as follows: "Underground electric from MDP to Panel F. Demolish temporary service and meter to Pole Building when complete."
- D. **Revise:** Note on electrical power feeder from the Main Building to the Brine Building as follows: "Underground electric from MDP to Panel G. Demolish temporary service, meter, and associated poles to Brine Building when complete."

ITEM #3 SHEET EP101 – BRINE BUILDING – ELECTRICAL

- A. **Add:** Circuit 15,17 to panelboard G as follows:

	DESCRIPTION	PHASE WIRES, GND CONDUIT SIZE	LOAD (VA)	BKR	P H
15 17	LIGHTS SITE	(2)#8, #8, 1"	2418	2P-20A	B C

ITEM #4 SHEET EP600 – ELECTRICAL SCHEDULES

- A. **Revise:** Circuit E-13,15 conduit size from ¾" to 1".

END OF ADDENDUM
Issued November 13, 2015